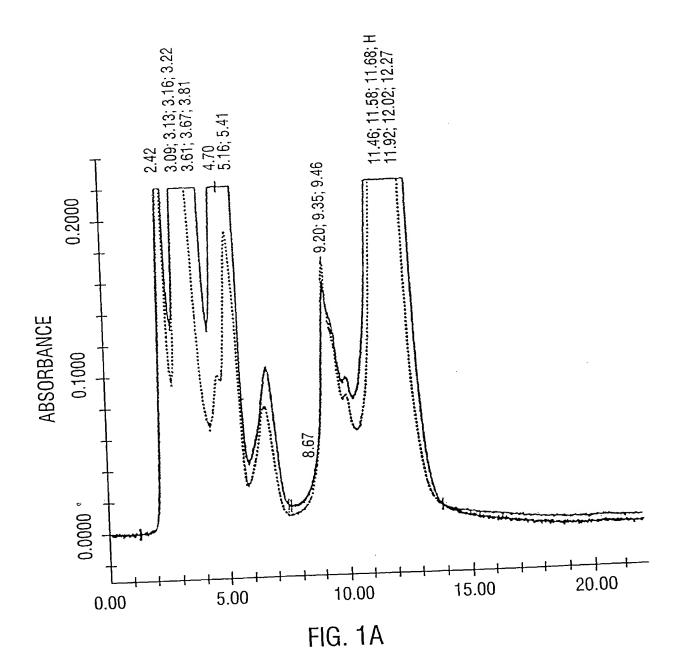
6194191

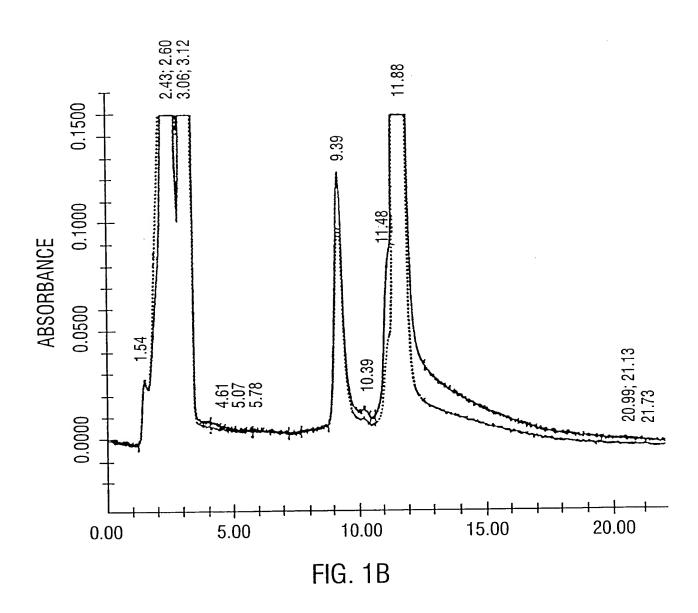


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	[4.4]		7
BY	CLASS	SUBCLASS	1
DRAFTSMAN			



	0.0.,		
EY !	CLASS	SUBCLASS	
DRAFTSMAN		CODULASS	

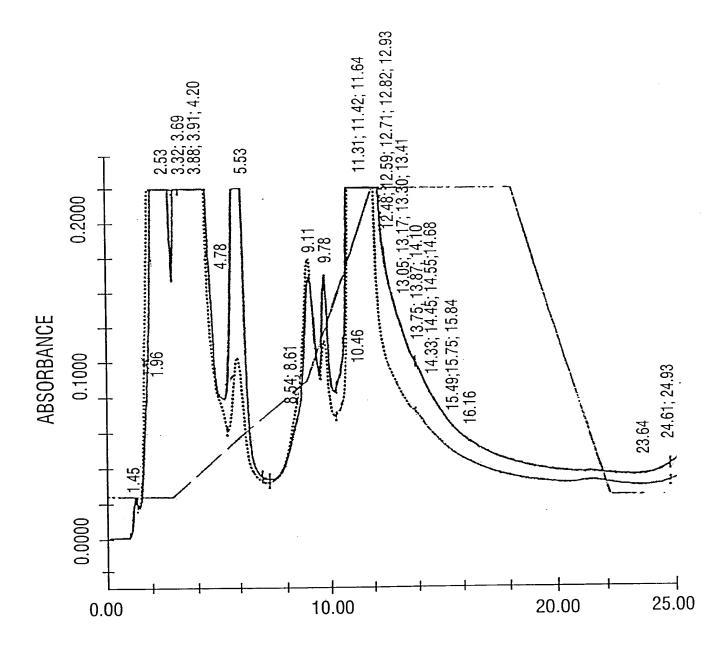
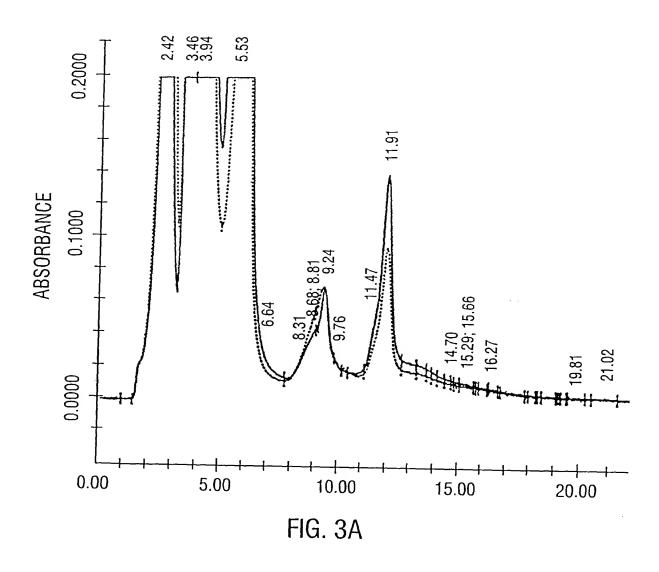
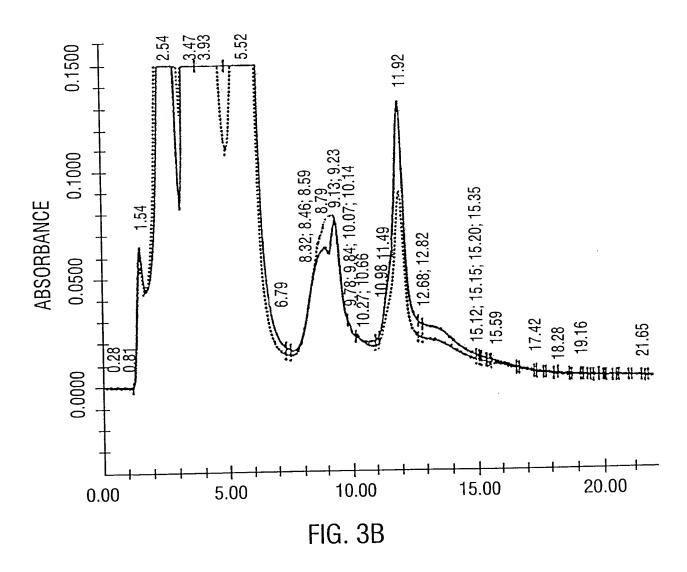


FIG. 2

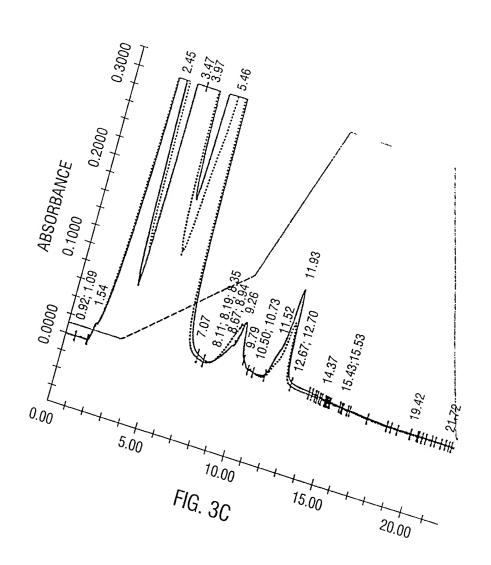
APPROVEU]0.G. I	FIG	
BY	CLASS	SUBCLASS	
DRAFTSHAH			



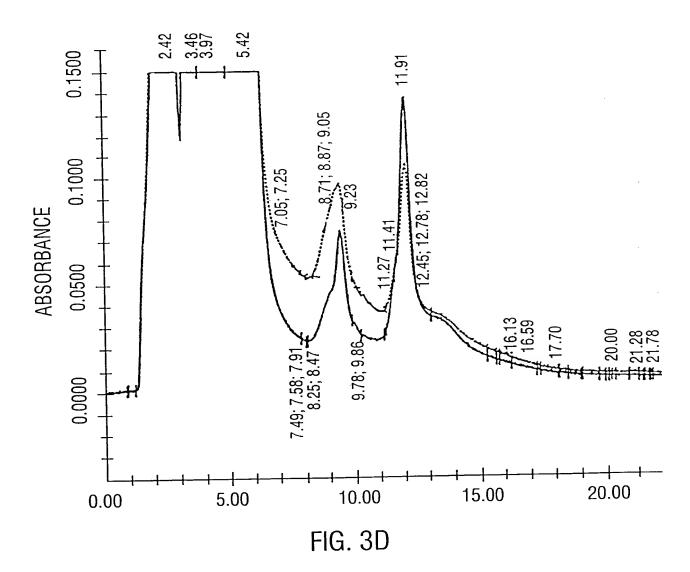
	0.G.,I	FIG.
BY	CLASS	SUBCLASS
DRAFTSMAN		



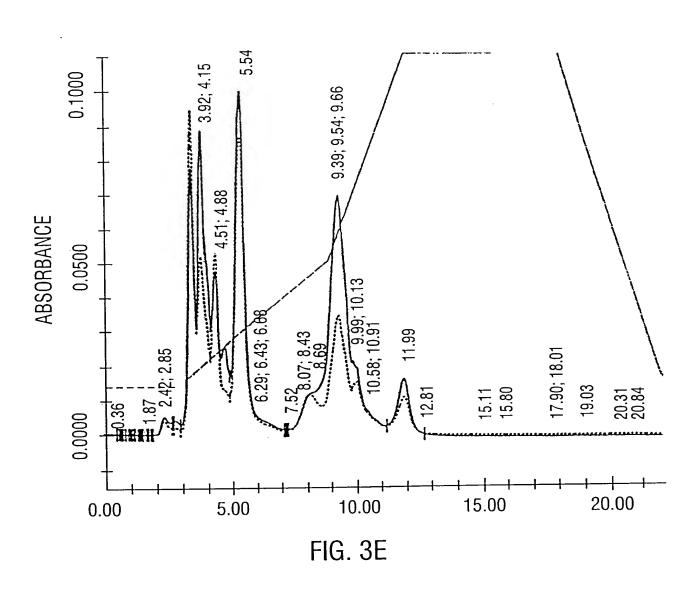




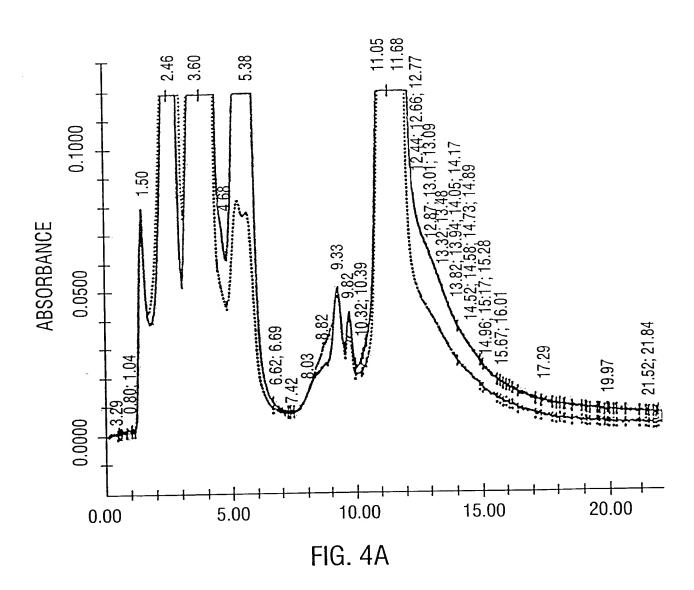
APPROVED, O.G. FIG.		-IG.
Вү	CLASS	SUBCLASS
DRAFTSMAN		



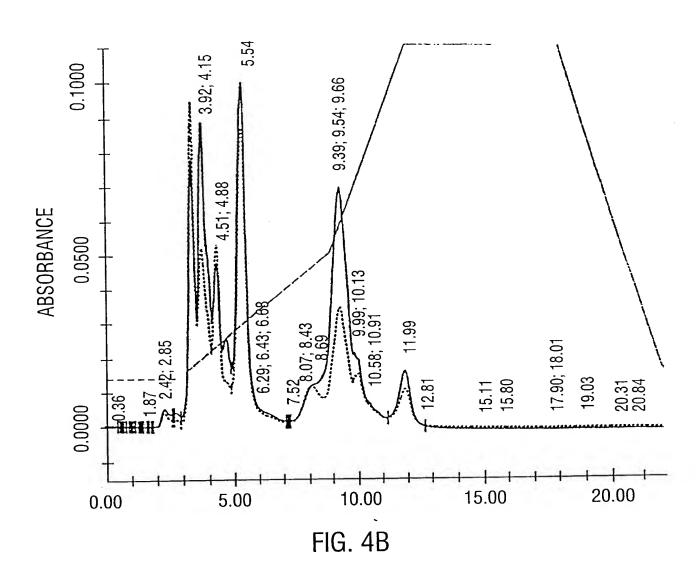
APPROVEO	C.G. I	FIG.	1
BY	CLASS	SUBCLASS	1
DRAFTSHAN			



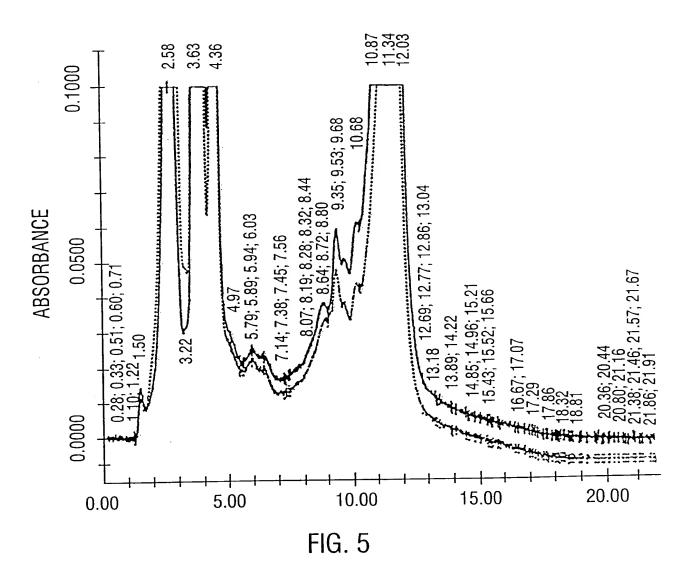
APPROVED C.G. FIG.		
ВУ	CLASS	SUBCLASS
DRAFTSMAN		



APPROVED	0.G. f	FIG.
BA	CLASS	SUBCLASS
DRAFTSMAN		



APPROVED	0.G. F	FIG.
ΒY	CLASS	SUBCLASS
DRAFTSHAN		



APPROVED	0.G.,	FIG.
DY	CLASS	SUBCLASS
DRAFTSMAN		

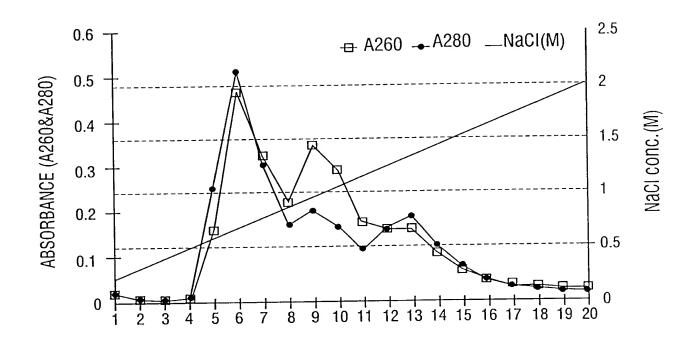
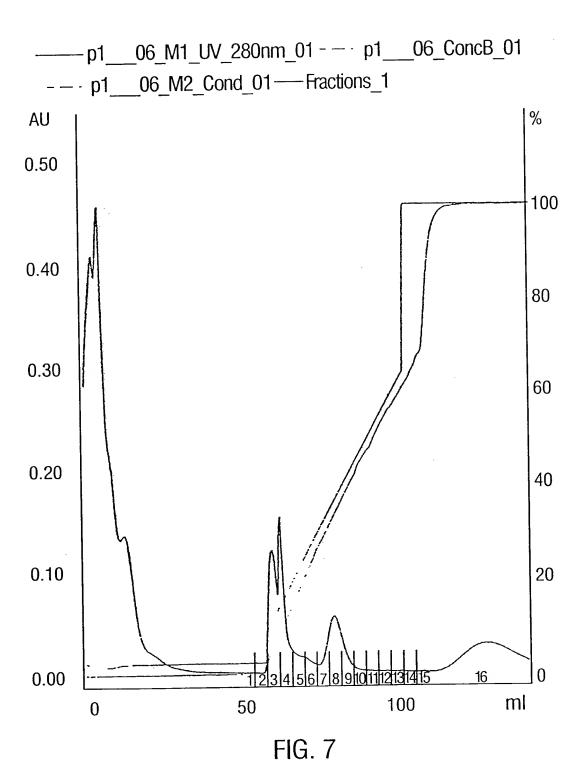
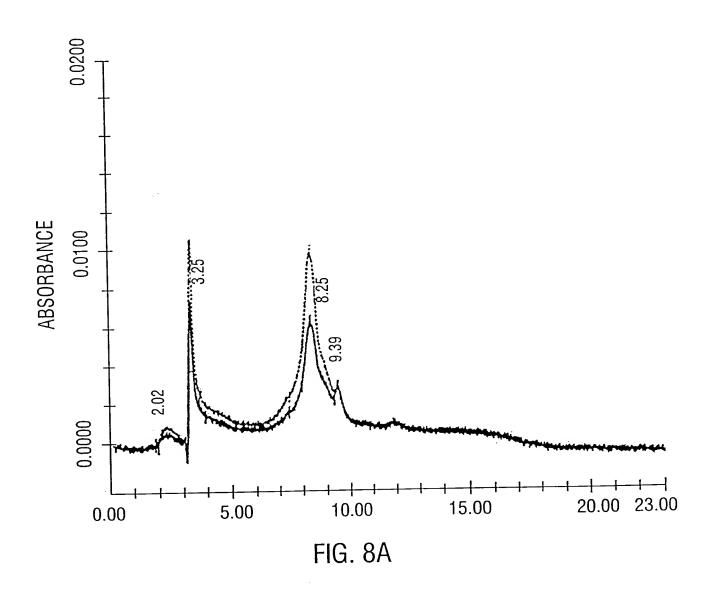


FIG. 6

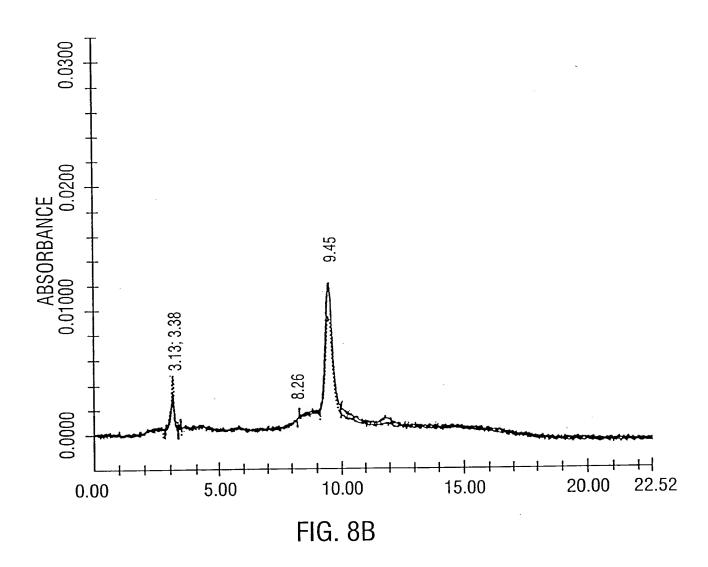
APPROVED	0.G. J	FIG.
BY	CLASS	SUBCLASS
DRAFTSMAR	,	



APPROVEO	0.G.,f	FIG.
BY	CLASS	SUBCLASS
DRAFTSMAN		



APPROVED O.G. FIG.		IG.
EY .	CLASS	SUBCLASS
ORAFTSMAN		



APPROVED	0.G. F	FIG.	1
εY	CLASS	SUBCLASS	
DRAFTSHAN			

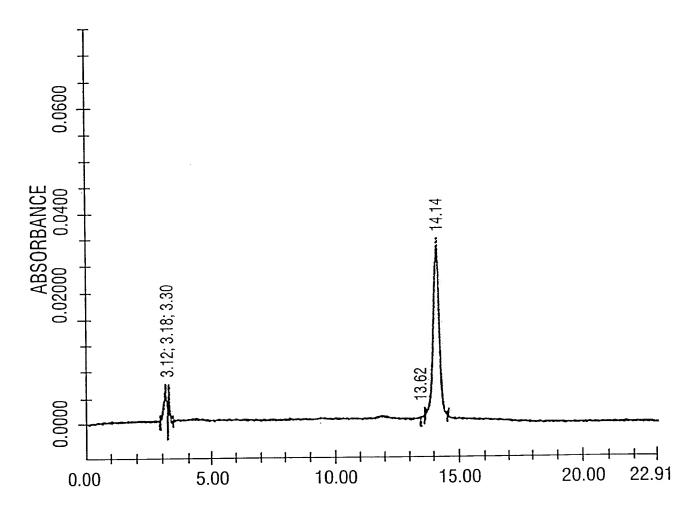
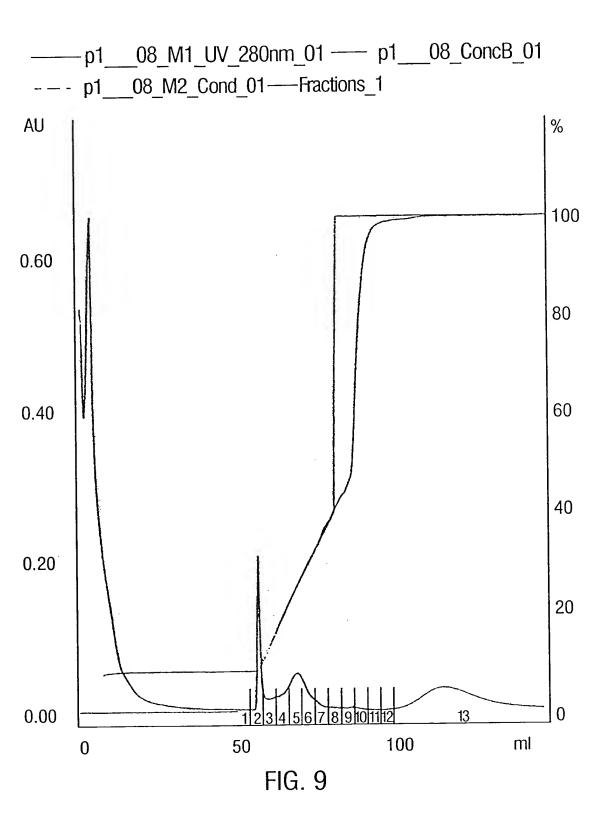
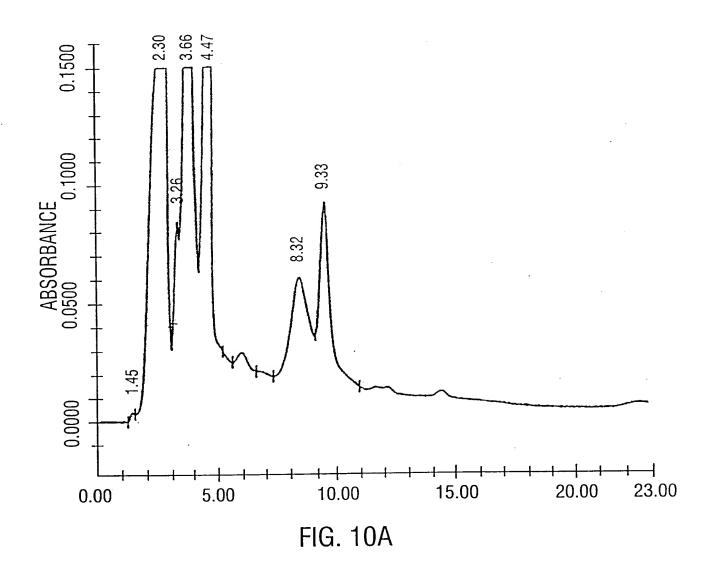


FIG. 8C

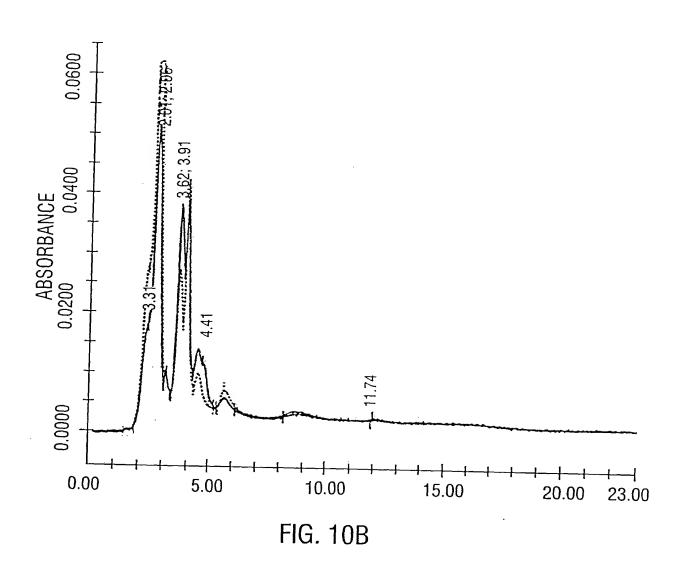
APPROVEO	0.G. I	FIG.	Ì
BY	GLASS	SUBCLASS	
DRAFTSMAH			ĺ



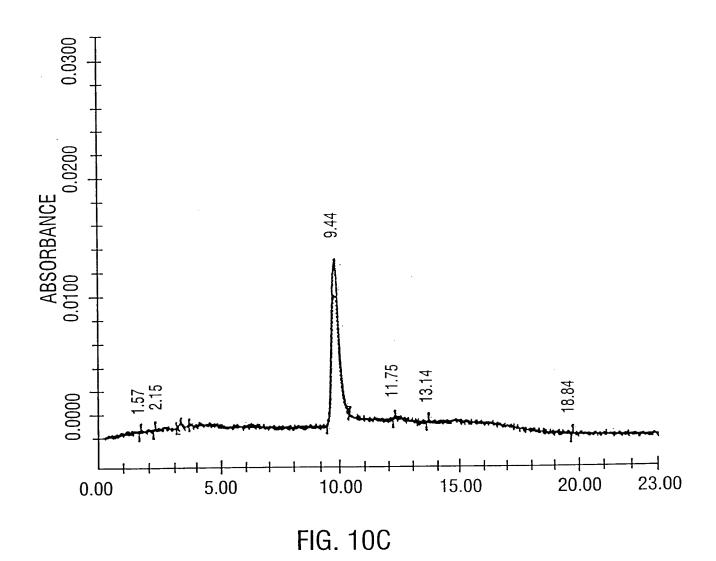
APPROVED	0.G. I	FIG.
ey	CLASS	SUBCLASS
DRAFTSMAN		



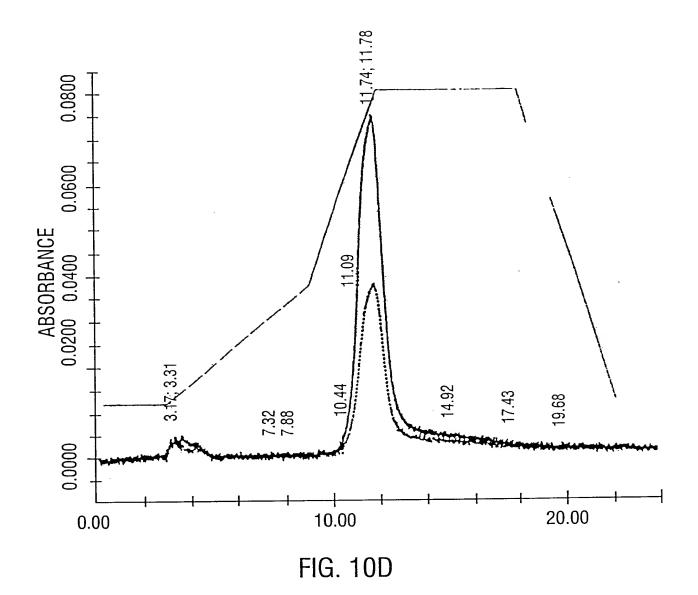
APPROVED D.G. FIG.		
ÐΥ	A COLUMN TO THE PARTY OF THE PA	SUBCLASS
DRAFTSMAN		



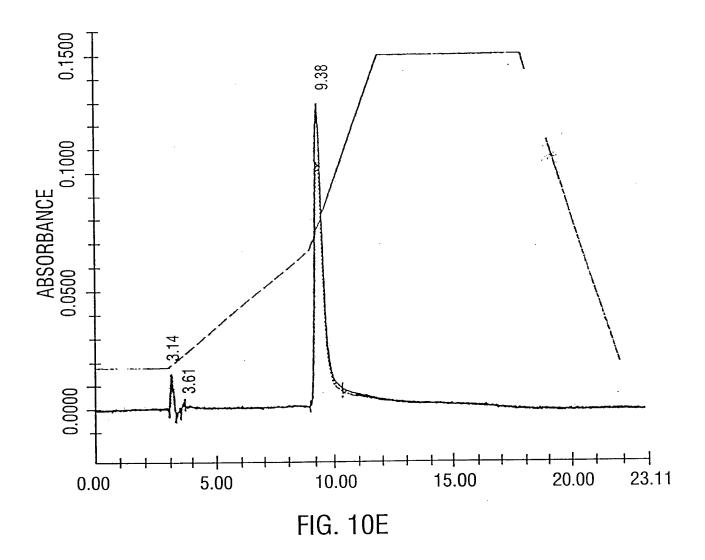
APPROVED			1
DRAFTSMAN	CLASS	SUBCLASS	



APPROVEO:	0.G. F	FIG.
87	CLASS	SUBCLASS
DRAFTSMAN		



	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



APPRO,VEO	0.G. f	FIG.
9Y	CLASS	SUBCLASS
DRAFTSMAN		

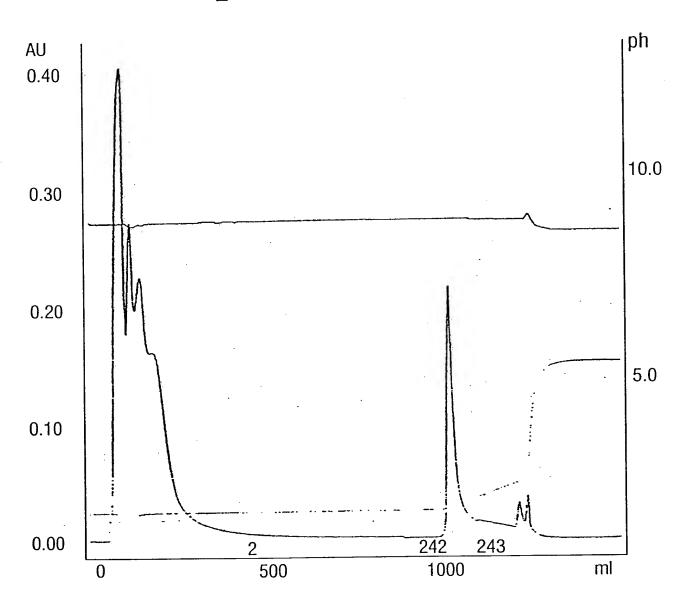
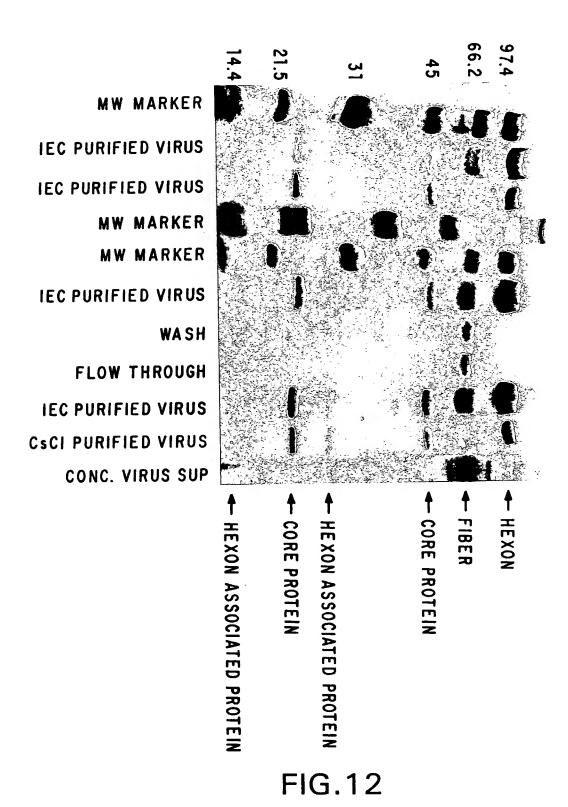


FIG. 11

APPROVED O.G. FIG.

BY CLASS SUBCLASS

DRAFTSMAN



H

APPROVED O.G. FIG.

BY CLASS SUBCLASS

DRAFTSMAN

D

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NOVEX MWM

BSA STD

VECTOR SUP

CONC./DIAFIL.SUP

IEC PURIFIED Adp 53

CsCI PURIFIED Adp53

BSA STD

FLOW THRU

WASH

NOVEX MWM

FIG.13

APPROVED	APPROVED O.G. FIG.		
ВŸ	CLASS	SUBCLASS	
DRAFTSMAH			

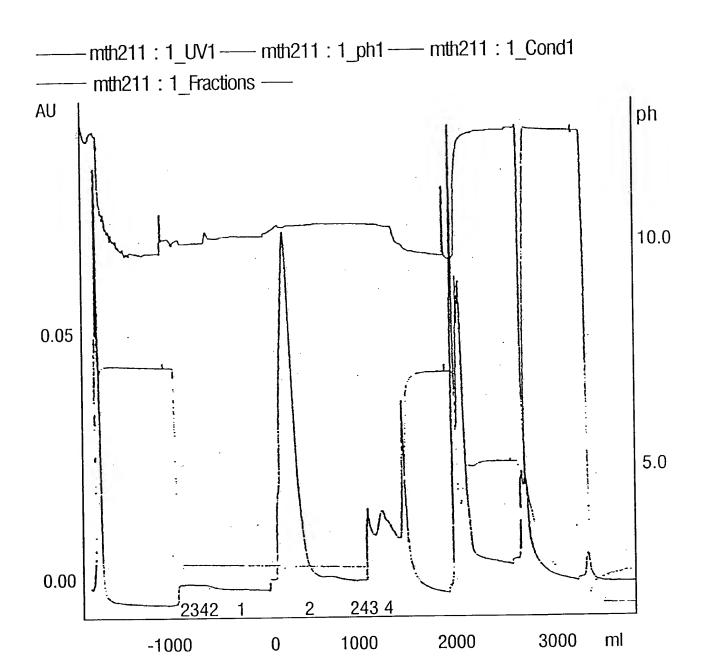


FIG. 14

APPROVEO	ROYED O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

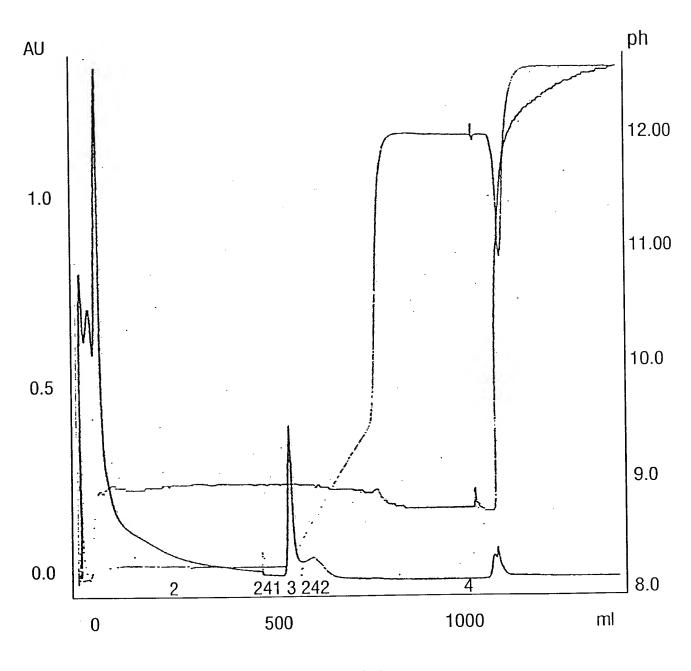
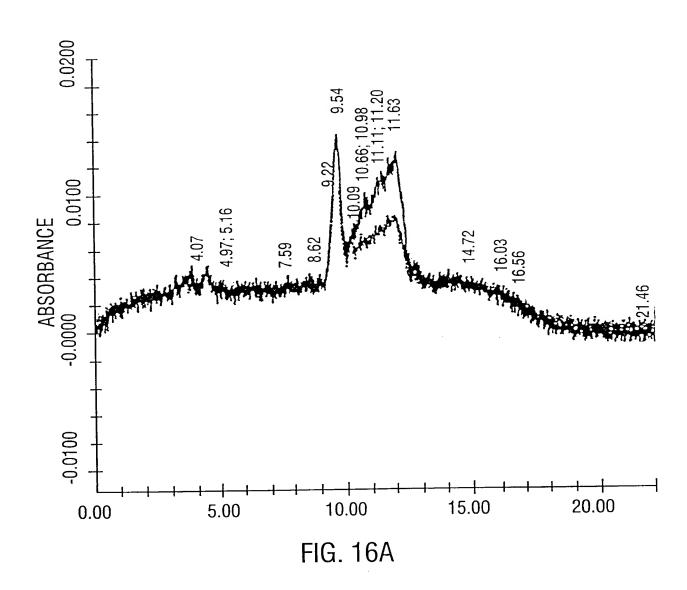
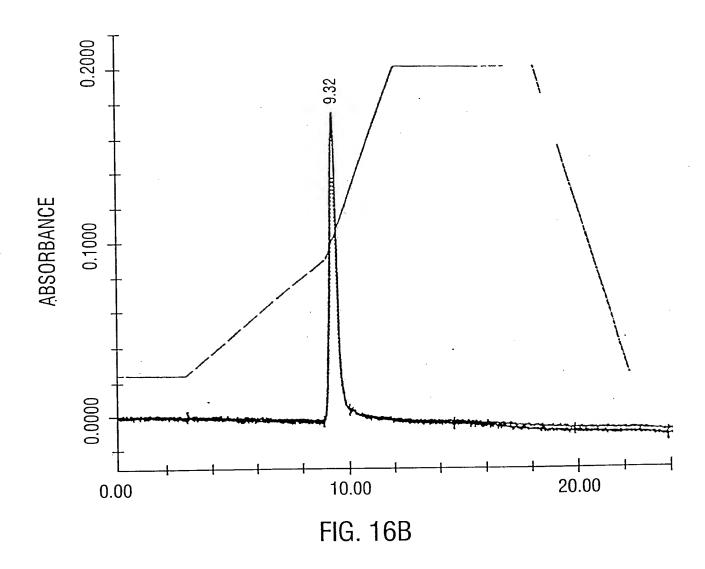


FIG. 15

APPROVEO	0.G: FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAH		



APPROVED	0.G. I	IG.
6Y	CLASS	SUBCLASS
DRAFTSMAH		



APPROVED	0.G. F	·I'G.
BY	CLASS	SUBCLASS
RAFTSHAH		

-mth412:1_UV1----mth412:1_ph1----mth412:1_Cond1

mth412: 1_Fractions

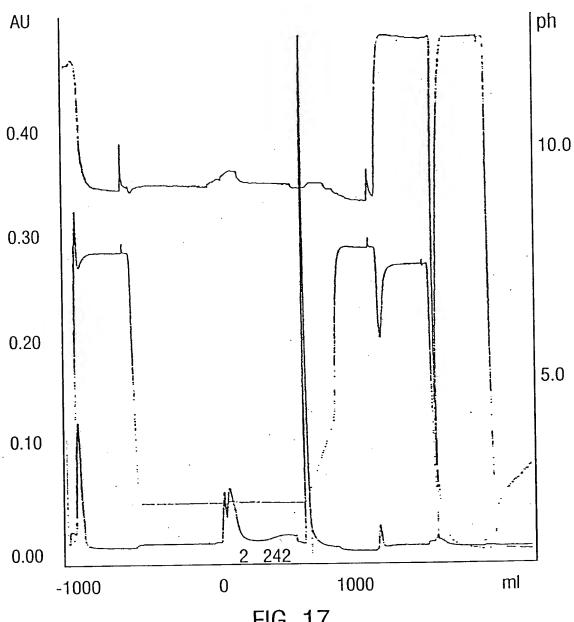
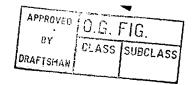
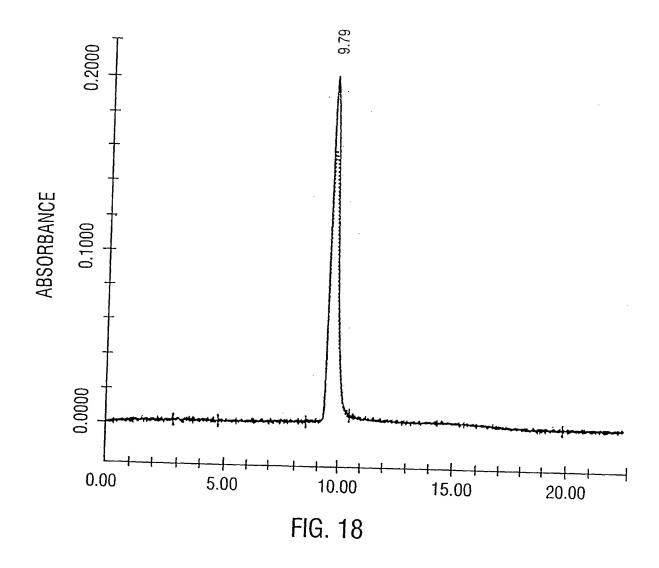


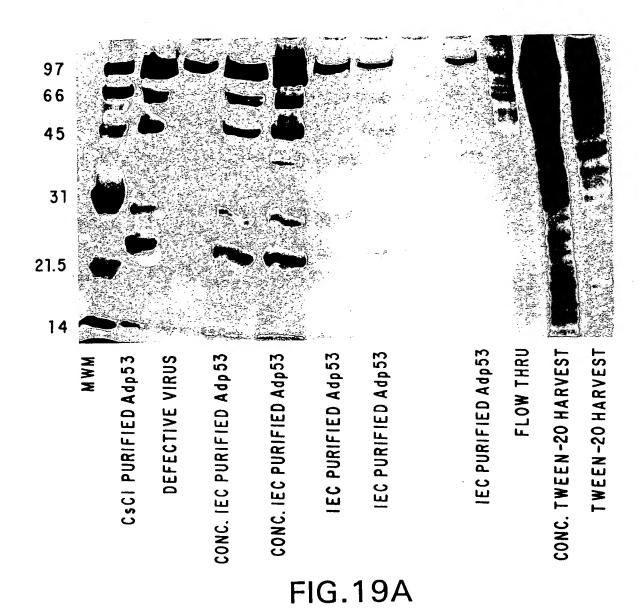
FIG. 17



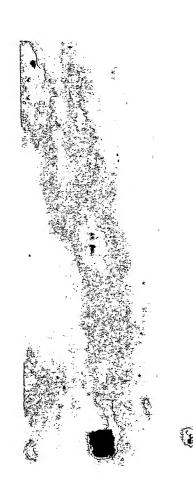




APPROVEO	0.G. F	FIG.
. BA	CLASS	SUBCLASS
DRAFTSMAN		



	APPROVED	0.G. I	FIG
	- 8Y	CLASS	SUBCLASS
į	DRAFTSMAH		



IEC PURIFIED VIRUS

MW MARKER

BLANK

IEC PURIFIED VIRUS

FLOW THROUGH

DILUTED BENZONASE

TREATED VIRUS SOLUTION

CONC./DIAFIL. VIRUS SOL.

1% TWEEN HVST

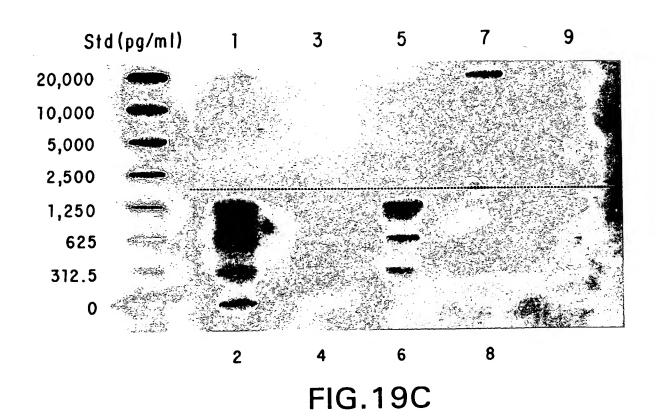
MW MARKER

MW MARKER

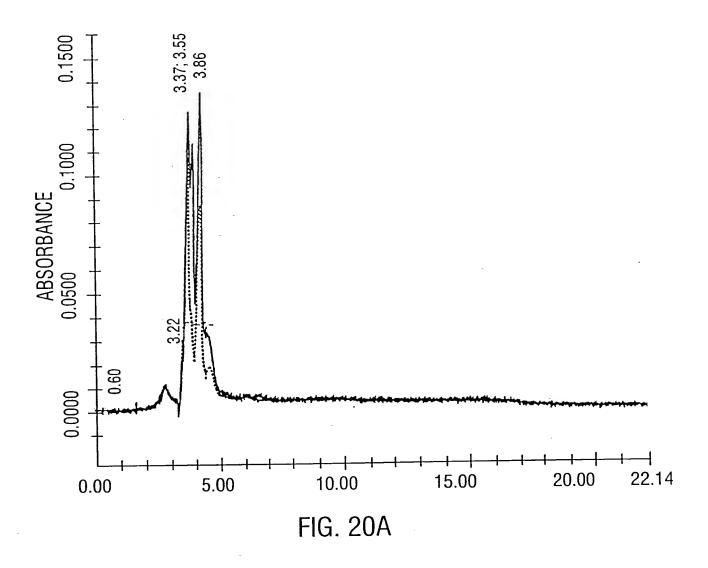
■ BSA

FIG.19B

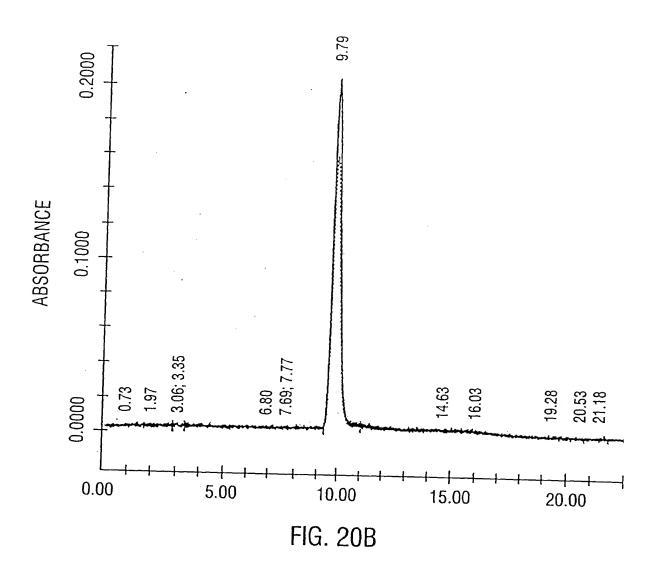
APPROVED	0:G. I	IG.
BY	CLASS	SUBCLASS
DRAFTSMAN		



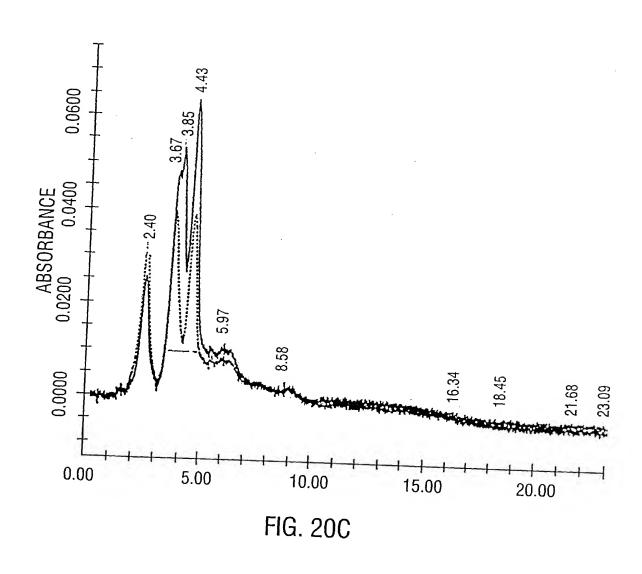
APPROVED	0.G. F	FIG.	
84	CLASS	SUBCLASS	
DRAFTSMAH			



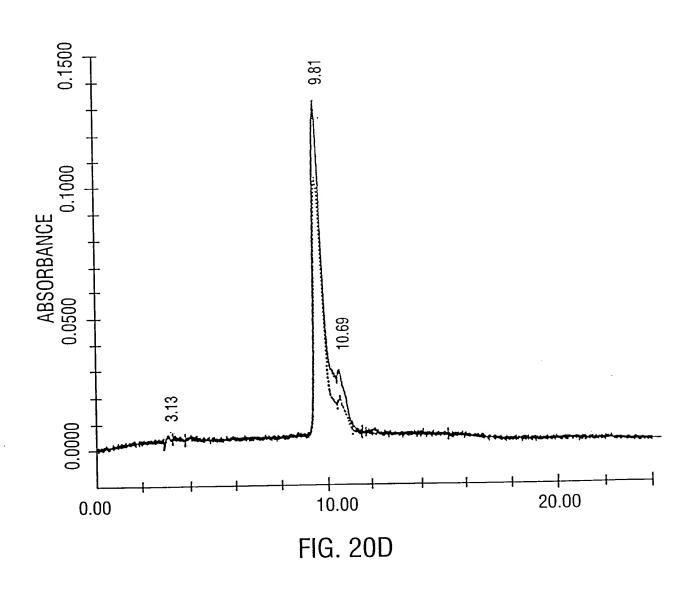
APPROVED :	APPROVED O.G. FIG.		
BY		SUBCLASS	
DRAFTSMAH			



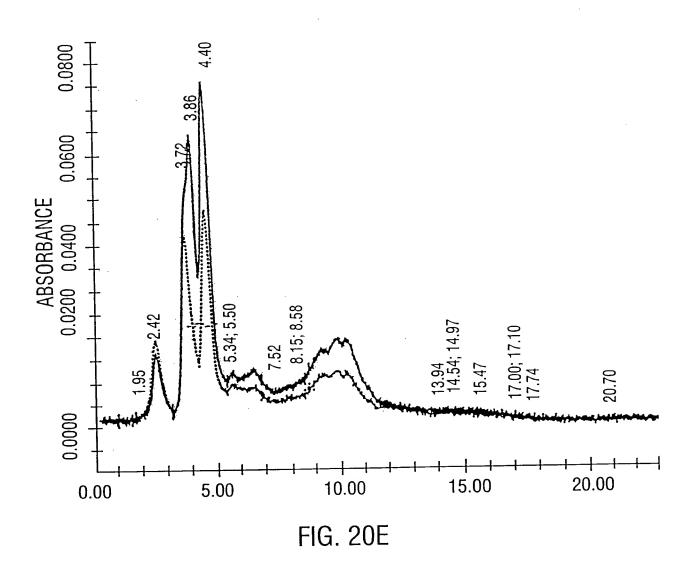
APPROVEO			7
DRAFTSHAH	CLASS	SUBCLASS	



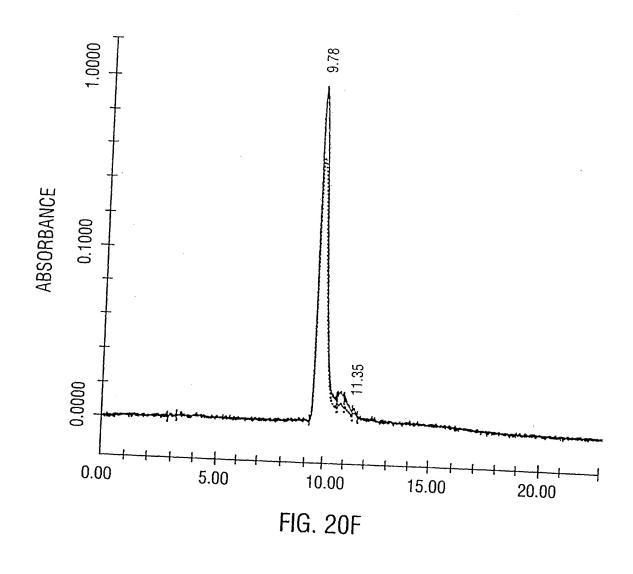
APPROVED	0.G. F	IG.
BY	CLASS	SUBCLASS
DRAFTSMAH		



APPROVEO	0.G.	≟IG.
87	CLASS	SUBCLASS
DRAFTSHAN		



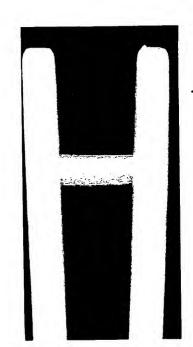
APPROVEG	0.G.	FIG.
BY	CLASS	SUBCLASS
DRAFTSMAN		



APPRUVED O.G. FIG.

BY CLASS SUBCLASS

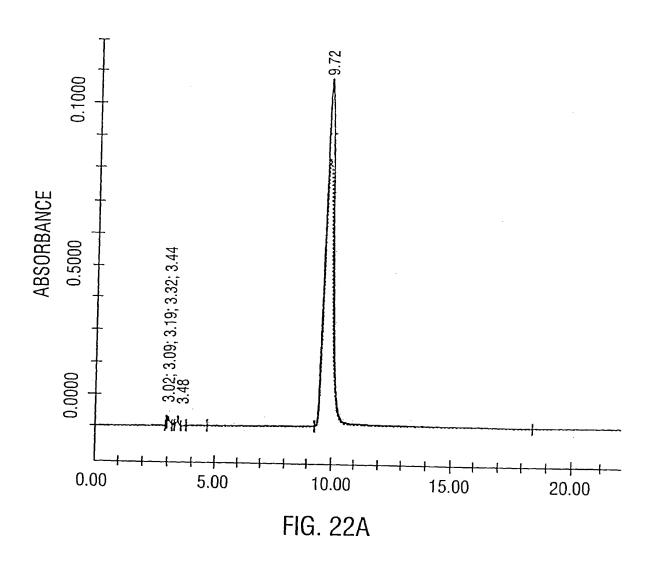
DRAFTSMAH



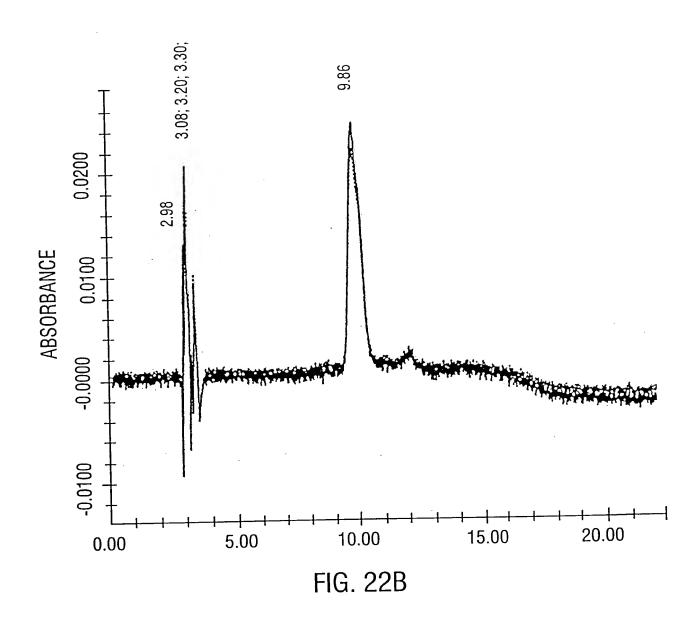
- → DEFECTIVE VIRUS BAND (TITER: 3x107 PFU/ml)
- →INTACT VIRUS BAND (TITER: 1x1011 PFU/ml)

FIG.21

APPROVED	0:G. I	FIG.	7
8A	CLASS	SUBCLASS	1
DRAFTSHAN			



APPROVED.	0.3. FIG.		
ĐY	CLASS	SUBCLASS	
DRAFTSMAN			



	(W/Jan , Myram trade i a trade i	<u> </u>			
APPROVED	0.G. FIG.				
BY	CLASS	SUBCLASS	,		
DRAFTSMAN					

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	TILTER V (PFU/ML)	OL. (ml)	YEILD (PFU)	RECOVERY (%)
CUBE (LOW PERFUSION RATE KEEP GLUCOSE > 1g/L) 1% TWEEN-20 BUFFER HARVEST				STEP ACC.
CLARIFICATION AND FILTRATION (0.22 UM) VIRUS SOLUTION	2.6x10 ⁹	1900	4.9x10 ¹	2
CONC./DIAF. (10-FOLD CONC., DIAF INTO 1M NaCI BUFFER	A 2.5x10 ¹⁰	200	5x10 ¹²	102%
CONC. SUP BENZONASE TREATMENT (O/N, RT, 100u/ml) TREATED SUP				
DILUTED WITH WATER TO CONDUCTIVITY= 22-25 mS/cm	7x10 ⁹	700	4.9x10 ¹²	98% 100%
DILUTED VIRUS SOLUTION	1.5x10 ¹⁰	240	3.6x10 ¹²	² 73% 73%
PURIFIED VIRUS				
CONC./DIAF (5-FOLD CONC)	7x10 ¹⁰	50	3.5x10 ¹	2 97% 71%
FINAL PURIFIED PRODUCT				
	FIG. 23			

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